

## CONTENT STANDARD 2: Technological Impacts

*Students will understand the impact that technology has on the social, cultural and environmental aspects of their lives.*

### K - 12 PERFORMANCE STANDARDS

<p>Educational experiences in <b>Grades K-4</b> will assure that students:</p> <ul style="list-style-type: none"> <li>• define <i>technology</i>;</li> <li>• describe how technology is used in familiar surroundings;</li> <li>• describe how their actions can affect the environment;</li> <li>• identify positive and negative impacts of technology;</li> <li>• describe the role of technology in their lives;</li> <li>• trace the historical development of a product or process of technology;</li> <li>• define the role of technology in education, the family and the community; and</li> <li>• identify an existing technology and describe how it could be used differently.</li> </ul>	<p>Educational experiences in <b>Grades 5-8</b> will assure that students:</p> <ul style="list-style-type: none"> <li>• explain how technology and technological activity has expected and unexpected effects;</li> <li>• develop criteria for evaluating technology;</li> <li>• identify and describe how individual technological innovations may be combined to create new technologies;</li> <li>• explore and identify the personal, societal, economic and environmental effects of technological systems;</li> <li>• trace the historical development of at least one technology, identifying its effects and hypothesizing about its future;</li> <li>• identify the social and economic impacts of automation and computer-controlled processing; and</li> <li>• describe the universal input, process, output, feedback (IPOF) systems model.</li> </ul>	<p>Educational experiences in <b>Grades 9-12</b> will assure that students:</p> <ul style="list-style-type: none"> <li>• forecast trends in communications, production, transportation and the bio-related technologies, and project their potential impacts;</li> <li>• employ the input, process, output, feedback system model to their evaluation of technological impacts;</li> <li>• evaluate technologies based on their positive and negative outcomes; and</li> <li>• discuss societal and industrial responsibilities for using proper hazardous waste disposal techniques.</li> </ul>
---	--	--